

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/11/2021 09:00 AM
Cytometer Baseline: 04/05/2021 10:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124447	-1	1.91	124363	1.89
Blue	F	SSC	125000	124631	-1	3.70	124990	3.58
Blue	E	FITC	14400	13959	-4	2.62	321	14.89
Blue	D	PE	24713	24362	-2	2.13	559	10.40
Blue	B	PerCP-Cy5-5	31796	31074	-3	3.36	1026	13.57
Blue	A	PE-Cy7	21240	21216	-1	5.08	570	28.05
Red	C	APC	41319	40992	-1	3.02	1707	11.00
Red	A	APC-Cy7	21019	20530	-3	3.39	771	11.27
Violet	B	V450	7305	6937	-6	4.15	423	12.56
Violet	A	V500	28652	27382	-5	3.66	689	10.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23345	1.87	563	-6	N/A	N/A	Pass
Blue	F	SSC	57866	2.35	513	1	N/A	N/A	Pass
Blue	E	FITC	58	49.42	488	-3	0.0429	0	Pass
Blue	D	PE	117	35.30	485	-2	0.4577	301	Pass
Blue	B	PerCP-Cy5-5	193	34.38	581	-3	0.0244	142	Pass
Blue	A	PE-Cy7	117	61.78	627	-3	0.0230	0	Pass
Red	C	APC	395	22.44	573	0	0.0303	119	Pass
Red	A	APC-Cy7	173	26.05	543	-2	0.0068	839	Pass
Violet	B	V450	59	58.79	453	-3	0.0526	1532	Pass
Violet	A	V500	99	32.10	467	-3	0.0232	401	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.81	-32.60	1.03
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	21.57	15.99 - 23.99	N/A	N/A	30.95	31.19	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 13027

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments